

$M \geq 1$ first spatial light modulators optically coupled to the first polarization beam splitter for modulating light of $N \geq 1$ colors of a first color space;

a second polarization beam splitter optically coupled to a second output light path of the polarization separator;

$P \geq 1$ second spatial light modulators optically coupled to the second polarization beam splitter for receiving light of $Q \geq 1$ colors of a second color space; and

a polarization combiner optically coupled to the first and second polarization beam splitters.

a2 6. (Amended) The apparatus of claim 1 further comprising:

means for preventing the light of N colors and the light of Q colors from entering the polarization combiner simultaneously.

a3 51. (Amended) An apparatus comprising:

a first plate polarizer for receiving light from a light source, and substantially separating the light into first polarization light and second polarization light, substantially reflecting one of and transmitting an other of the first polarization light and the second polarization light;

a first color switch optically coupled to receive one (Lx) of the first polarization light and the second polarization light from the first plate polarizer;

a first polarization beam splitter optically coupled to receive switched light from the first color switch;

a first single spatial light modulator optically coupled to receive and modulate switched light from the first polarization beam splitter, and reflect the modulated switched light back to the first polarization beam splitter;

a second color switch optically coupled to receive an other (Ly) of the first polarization light and the second polarization light from the first plate polarizer;

a second polarization beam splitter optically coupled to receive switched light from the second color switch;

a second single spatial light modulator optically coupled to receive and modulate switched light from the second polarization beam splitter, and reflect the modulated switched light back to the second polarization beam splitter; and

a second plate polarizer optically coupled to receive modulated light from the first polarization beam splitter and modulated light from the second polarization beam splitter and combine the modulated lights into an output beam.

a4 55. (New) The apparatus of claim 51, wherein the first color switch and the second color switch operate in different color spaces.

Remarks:

A. Rejection of Claims under § 112

The Office Action has rejected pending claims 6 and 7 under 35 U.S.C. § 112, first paragraph. Applicants respectfully traverse the rejection. As to claim 6, the means for presenting is disclosed in the specification on page 7, lines 9-11, which states that in dual color space embodiments, "one solution is to operate the switch and/or the SLMs of one kernel to effectively block all of the light in that color space." Such disclosure sufficiently supports claim 6. Further, there is no need to present the means in drawing form, as the specification sets forth that the means may be implemented via operation of the switch and/or SLMs, which are present in the drawings (see, e.g., FIG. 2). With respect to claim 7, the means for providing data is set forth (at least) at page 6, lines 3-18. Applicants respectfully submit that the specification thus adequately supports claims 6 and 7 and request removal of this ground of rejection.